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Dahlias the Popular Fad of the Day

Ease of Culture Readily Wins Popular Favor-A Treatise on This Most Wonderful Outdoor Flower.

By WARREN W. MAYTROTT, Vineland, N. J.

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We are now entering the era of the dahlia fad, which is fast surpassing that of all other flowers. The fanciers and flower lovers of the day are turning to this wonderful flower. For the day of the work of the day are turning to this wonderful flower. For the work of the

stock.

It is needless to give a lengthy de-scription of the novelties and standard varieties which are illustrated and de-scripted in the many dahlia catalogues issued and will gladly be sent upon re-After years of experience.

Quest.
After years of experience the following article may solve a few cultural problems. An endeavor will be made to explain each phase of the culture as carciuly as possible, but the directions and suggestions should be changed to suit the location, fertility of the soil and climatic conditions. However, I believe the theories in general will hold

Preparation of the Soil.

Dahlias will grow well in almost any kind of soil from a light sandy loam to a stony clay. They should be planted where they will have at least three or four hours of sunshine each day, and which use much of the moisture and plant food.

four hours of sunshine each day, and not under a tree or in the tree roots which use much of the moisture and plant food.

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The essential need is araning the sandy of the sandy



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VINELAND, N.J.

Fertilizing.

Apply broadcast on top of the soil and mix well in the surface one pound fine raw bonemeal, one to two pounds unleached wood askes or one-fifth pound muriate of potash (not both) to every 20 square feet or equivalent to two bills. Show moss in a wet spell apply one pound of lime to every 20 square feet, although the lime will not hurt the soil if it is not really needed.

The above preparation should be completed a week or more before planting, failed to assist you in this. Allow to drain thoroughly before planting the roots.

roots.
Fertilizing as above directed will sup-ply the dahlia's needs well through the summer. See additional fertilizing.

When to Plant.

One of the most common errors in the culture of dahlias is too early planting. In the latitude of Philadelphia dahlias should never be planted before May 15, the first two weeks of June being preferable. Farther north, where the hot spells in July and August are less harmful and early frosts are prevalent, plant as soon as danger of frost is over.

Dividing Roots.

If dablia roots do not show sprouts by the beginning of May and are partially dried or shrivedel place them in a cool or shady place and cover with moist drie or sand. When sprouts appear planting. If sprouts are over six inches long when you take them from the cellar cut back to one inch before dividing. Large clumps should never be planted indicate the success of the plant, as a division of one or two tubers with a piece of the crown showing a sprout is the best to plant and will make a better growth them and the company of the company of

Planting.

Planting.

Dahlia roots should be planted in a trench or hole six inches deep, laid flat down (not on end) and covered with earth not over two inches in depth, filling in as the plant develops. Do not plant the roots in or over any quantity of compost or hot manure.

The rows should be from four to five. The rows should be from four to of the row from two to three feet apart; or from six to ten square feet should be allowed for each plant in garden culture.

Let wor, exagen is, infested with cut.

Cut Worms.

If your garden is infested with cut worms, which is usually the case in an old sod, an application of the following mixture scattered over the infested area after planting the roots, or before setting growing plants, will be found very effective: One pint water, one pint molasses growen sugar, one teasyouth leading the planting of the p

Cultivation.

Work and weeds are a blessing to ankind, but few of us look at it that ay. Although I am not recommend-

Ing the sewing of weed seed in the culture of dablias. I am sure our gardens and fields would not be cultivated and stirred as frequently were it not for the fear of weeds.

What healthier and more enjoyable pastime can anyone have than caring readily to a little care and will more than reward you for your special attention, as outlined in this article?

Thorough cultivation is of the utmost importance, and if properly done diminates much of the need of irrigation. As a soon after each 'rain as the ground can be worked without becoming lumpy. Work the ground rather deep all over at first. This brings air into the soil, which is very beneficial to plant growth, which is very beneficial to plant growth, come toward the surface the ground should be worked rather shallow around the hill for the radius of at least a foot. Still work the balance of the ground rather deep and bring some fresh soil to the plant at each beeing, giving the to the plant at each beeing, giving the growth of the sun. Have the hills mounded five or more inches by the middle of September. Do not think it is necessary to grow a dahlia stalk in a crater so it as a rule are from 10 to 15 inches from the stalk.

Irrigation.

I believe there is more difference of

Irrigation in the Heat of the Day.

Irrigation in the Heat of the Day. Opinion varies on this phase also, but judge for yourself as to the health of the plant. It is a recognized fact that sprinkling in the heat of the day will cause the flowers to scald, as the sun's rays are focused by the drops of water and burn the petals. In bright sunlight, with the mercury at 120 degrees, which is a lost uncommon, spray the which is a but uncommon, spray the which is a but uncommon, spray the flower of the degrees and imagine the shock. If they were human they would make such a noise sneezing that the whole neighborhood would be aroused. Should you start irrigating in the early morning and keep the plant cool through the case the danger of injury would be essentially the start of the flowers, which are never very good in a dry, hot spell. Therefore, late afternoon or evening is found the best time for irrigation.

Pruning and Disbudding.

some in standard even of the ground the hill for the radius of at least a foot. Still work the balance of the ground rather deep and bring some fresh soit to the plant at each heing, giving the plant a new supply of food and protect the sun. Have the hills mounded five or more inches by the middle of September. Do not think it is necessary to grow a dahlia stalk in a crater so it can be watered, as the feel roots radius at least a foot at least a foot stalk.

Irrigation.

I believe there is more difference of opinion with dahlia growers in regard to watering than any other phase of dahlia culture. Do not sprinkle with only pack the surface of the ground, preventing the air from circulating in the soil, and then the moisture is taken up by the sun the next day. This causes a soft rapid growth which wills very of all, it draws the feel roots to the surface for moisture, and the excessive heat sickens them.

On the other hand, follow nature more closely. We do not have a shower the stalk is represented by the plants will will some. This pell and the plants will will some this access a side of the plants will will some the plants will will some the air coming into an irrigated area of even acres is dry and hot during a dry spell and the plants will will some. The least of the plants will will some the plants will will some the plants will will some the kept up, or more harm than good will be done. The ground should be gently sprinkel so that the water was a supply state of the ground should be gently sprinkel so that the water will be seen to sprinkel or the stranger of the ground should be gently sprinkel so that the water will be contended to the seen the surface of more than the surface of moisture, and the excessive heat sickens them.

On the other hand, follow nature more closely. We do not have a shower the plant

Excessive Branching.

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Some varieties, such as Pierrot, Crystal and Francis White, branch to excess and, instead of pinching out more than as should be thinned out and not more than six shoots allowed to come the standard of the should be thinned out again. If you have not tried this you will be surprised with the results It does a dablia bush no harm to take out one-fourth to a third of the bush at a number of new shoots to start, only making matters worse instead of better.

Additional Earthighing

Additional Fertilizing.

making matters worse instead of better.

Additional Fertilizing.

If we knew just what our soil contained and the amounts of each element the plants required, fertilizing would be the easiest of all our studies, but in general it is more a matter of theory than pounds and outces.

The property of the property of the property of the pounds and outces.

In plant growth which are at teast partially under our control are hydrogen, nitrogen, phosphoric acid and potassum.

Hydrogen has been devased in regard to dminage, and again under brigation. Nitrogen has been partially digging litter and compost into the subsoil, also by a top dress age of bonemen before planting time. These spouls of the property of the prope

phoric acid are a good addition at this time.

It is really surprising how much nitro gen a plant will stand in the form of humas or manure if it is balanced with the right amount of hydrogen, phosphoric as the property of the property of

Phosphoric Acid.

Manure or compost if dug in the subsail will contain some phosphoric acid
but the bone top dressing should contain
between 20 and 25 per cent, available
phosphoric acid and the manure top
oressing about 2 per cent. This will sup
ply the plant with at least two onners or
available phosphoric acid as it was only
available phosphoric acid, as it seems to back
up the growth nade by nitrogen. Heavy
feeding of nitrogen and hydrogen with
out the phosphoric acid, as it seems to back
up the growth nade by nitrogen. Heavy
feeding of nitrogen and hydrogen with
out the phosphoric acid and potash to
balance it will say the property
will be very weak and poor from the
lack of nourishment, all the strength
having been taken by the bushes.

Potash, Manure or compost if dug in the sub

Potash.

Potash.

One to two pounds of unleached wood askes or one-fifth pound of muriate of potash to every 20 square feet, along with the 1 per cent, potash in the manure should supply about three fourths of an ounce of available potassium per plant, or 200 pounds per acreating will give color to the flowers, a dark green teachery foliage, and a substance of the stock of the perfection if poorly cared for, as dahlias will run open centre and off color through no fault of the stock, if they are badly neglected.

Upon examination of the lower stem and tubers the second or middle skin is found to be discolored, streaked with brown, and the onter skin cracked, showing brown in every crack. This I started digging and destroying 15 years ago in well for the started digging and destroying 15 years ago in which was the started digging and destroying 15 years ago in which was a started digging and destroying 15 years ago in the work which was a started as a started did with the work of the work of

Keep the plants healthy, clean and vigorous, and your path will be strewn with dahlias.

Good varieties, healthy stock and the proper care are sure to give untold re-sults and pleasure.

Thrip.

During the hot dry spells the thrip is always most active and the injury to the tender buds causes them to dry and die. Irrigation at this time seems to drive them off to some extent, also the healthier the bushes the less damage can

The thrip can be killed by spraying with Black Leaf Forty and Whale Oil Soap at the prescribed proportions on Soap at the prescribed proportions on Soap at the prescribed proportions on Spraying the foliage will be spray, which is very hard to do, as they fly at the least disturbance. When the spray, which is very hard to do, as they fly at the least disturbance. When the weather becomes cooler they seem to disappear, and as the dahlias are not very good during the real hot weather their damage is only minor unless they pick out certain bushes and drain their vitality by sucking the sap. Then it is advisable to spray good, and then thin at the bushes to give them a new start. The dahlia is not susceptible to the

The dahlia is not susceptible to the ravages of insects like other plants and is therefore of comparatively easy culture.

Cut Flowers.

In cutting dahlias, do not make the usual mistake of waiting until the flowers are fully open, but cut them with the centre yet to unfold. Cut in this way, the flowers should last at least a week with care. Some prefer to have stem, which are foliage remain on the stem, which was the flowers to work the stem, which will cause the flowers to will and the much quicker than if all the buds and most of the foliage are removed.

physical action of a cut flower is

the outs and most of the foliage are. The physical action of a cut flower is to take water up into the stem which evaporates through the flowers and foliage. The slower this action of evaporation or transpiration takes place the longer the life of the flower. Flowers should be cut in the evening Flowers should be cut in the evening of the control of the flower. Flowers should be used to the house of the flower of the house. Should you wish to send them to your friends, leave in water until fully freshened, then pack in a corrugated pasteboard box lined with corrugated pasteboard box lined with corrugated pasteboard box lined with a corrugated pasteboard box lined with the corrugated pasteboard box lined with the pasteboard box lined with the pasteboard box lines with the pasteboard box lines with the pasteboard box lines with the box so that they cannot batter, but her too tight, and ship on the best but her too tight, and ship on the best but her too tight, and ship on the best but her too tight, and ship on the best but her too tight, and ship on the best but her too tight, and ship on the best pasted pasted by the p

Digging and Storing.

The amateur cannot expect a dahlist to come to its height of perfection is poorly cared for, as dahlias will run open centre and off color through no the stock, if they are badly neglected.

Disease in Dahlias.

The disease most prevalent and worthy of consideration is Mosaic or running out, which manifests itself in a stumpy growth, the lower leaves turn yellow, and the bush is apparently ready to die.

heater. A cool moist cellar, one in which with potatoes keep well, will be very satisfactory for dashia roots. After the roots have been stored about a month, look them over, and if they slow signs of drying up, cover them) the look of the property of the property about signs of drying up, cover them) the look of the very solution.





FIELD OF BREAK O' DAY



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